	Application No.	Applicant(s)	•	
Notice of Allowability	10/796,375	6,375 KIM ET AL.		
	Examiner	Art Unit		
	Mike Qi	2871	·	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication (GHTS. This application is subject to	plication. If not include will be mailed in due	ded course. THIS	
1. This communication is responsive to <u>12/20/05</u> .	•			
2. X The allowed claim(s) is/are <u>1-8,10,11,13-17 and 19-38</u> .		•		
 3. Acknowledgment is made of a claim for foreign priority unally All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in to DEPOSIT OF and/or INFORMATION about the depoattached Examiner's comment regarding REQUIREMENT 	e been received. been received in Application No cuments have been received in this of this communication to file a reply IENT of this application. itted. Note the attached EXAMINER es reason(s) why the oath or declara be submitted. son's Patent Drawing Review (PTO- s Amendment / Comment or in the C .84(c)) should be written on the drawin he header according to 37 CFR 1.121(sit of BIOLOGICAL MATERIAL I	national stage applic complying with the residual complying with the residual complying with the residual complying with the residual complying attached. 948) attached complying action of the residual complying in the front (not the d).	equirements NOTICE OF	
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal F	÷	ГО-152)	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	w Summary (PTO-413),		
Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit of Biological Material	Paper No./Mail Da 7. Examiner's Amenda 8. Examiner's Statema 9. Other	ment/Comment	lowance	
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DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jon Y. Ikegami on May 10, 2006.

The application has been amended as follows:

- 1) The claim 12 has been canceled.
- 2) The claim 1, in line 4, after "a transparent electrode"; insert - and a transparent common electrode; -; in line 5, after "... between the substrate and the transparent ..." insert - common -; in line 12, after ... with the transparent electrode" insert -; and signal line forms a border with the reflective region, the transmissive region, and the interface region, wherein the interface electrode is located at the border. -.
- 3) The claim 17, in line 13, after "electrode;" insert - and signal line forms a border with the reflective region, the transmissive region, and the interface region, wherein the interface electrode is located at the border. -.
- 4) The claim 22, <u>in line 7</u>, after ". . . to form an interface electrode;" **insert** - and signal line forms a border with the reflective region, the transmissive region, and the interface region, wherein the interface electrode is located at the border. -.

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5) The claim 26, in line 7, after "... to form an interface electrode;" insert
- - and signal line forms a border with the reflective region, the transmissive
region, and the interface region, wherein the interface electrode is located at the
border. - -.

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Allowable Subject Matter

- 1. Claims 1-8,10-11,13-17,19-38 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:

The prior art of record neither anticipated nor rendered obvious that a display apparatus comprising various elements as claimed, more specifically, as the following features:

The date signal line forms a border with the reflective region, the trnasmissive region and the interface region, and the interface electrode is located at the border of the reflective region, the transmissive region and the interface region, such that the interface electrode is shaped and positioned to prevent light leakage in the interface region as shown in Fig.3-4 [claims 1, 17, 22 and 26].

The references such as Kubo, Sakiguchi and Okumura disclose a liquid crystal display apparatus having reflective region, transmissive region and coupling area and the drain electrode can be extended to the pixel region (such as reference Sekiguchi) so as to simplify the manufacturing process. However, the prior art of record do not disclose such interface electrode wherein the date signal line forms a border with the reflective region, the trnasmissive region and the interface region, and the interface electrode is located at the border of the reflective region, the transmissive region and the interface region, such that the interface electrode is shaped and positioned to prevent light leakage in the interface region as shown in Fig.3-4.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mike Qi whose telephone number is (571) 272-2299. The examiner can normally be reached on M-T 8:00 am-5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mike Qi May 11, 2006

> TARIFUR R. CHOWDHURY DRIMARY EXAMINER